General informations

Server configuration may change during time but at the time (April 2019) is this:
- `Server IP: 172.30.121.157`
- `RAM 160GB`
- `CPU Intel x86: 27 cores (27 threads)`
- `Ubuntu 18.4.x LTS`
- `200GB overall storage for users`
  - `Per user quota, soft limit 5GB, hard limit 10GB (to be implemented soon)`

Jupyter/Notebook Web Interface Access

Jupyter web interface URL:

https://172.30.121.157:7007/hub/login

In order to access username/password are required. Please request them to your supervisor or contact ftarlao@units.it

The server currently uses a self-signed certificate which raises warnings from web browsers. In order to visualize the page you should explicitly authorize the browser (only at the first page access), the procedure differs among browsers, usually is hidden and you need to click on an "Advanced" button or similar.

You can also add the CA certificate or the site certificate into the trusted certificates in your system or browser, please refer online guides for performing these tasks.

Students should use the default kernel *Python [conda env:root]* that may contains all the python modules and softwares that you need during the lesson.

Note: Connection to this server is only possible from the university networks (also when connected with eduroam).

Terminal Access (SSH)

The server accepts ssh (that is a very secure terminal) connections, this may be useful in order to perform copy/backup (via sftp protocol) the files in your home dir, or for changing your password.
Here follows the Linux/*nix command-line for the ssh command, in this example the provided username is *nomeutente*:

```
ssh  -p 2002 nomeutente@172.30.121.157
```

You'll need your user password in order to access.
Windows users may use the Putty SSH client.

When terminal connection is established you can also update your password with the Linux command `passwd`. Here follows a passwd usage example:

We encourage students to update immediately their default password.

For remote file copy, [Filezilla](#) is a very simple sftp client for accessing your remote files, but the Operating Systems provide other ways to access folders/files via sftp, please search online for alternatives.

Note: Connection to this server is only possible from the university networks (also when connected with eduroam).

Conda Kernel administration

Jupyter notebooks can use a default conda-based kernel that is managed ONLY by the *anaconda* user.
anaconda user can access thru *ssh* and can change the *base* conda environment, i.e., adding/removing conda modules and so on, e.g. the can perform `conda install modulename`